Roles

Actions

Commands

Rules

Associations

Categories

Workflow

Relations

Data Source

Information Model

Information System

Figure 1 Active Information model
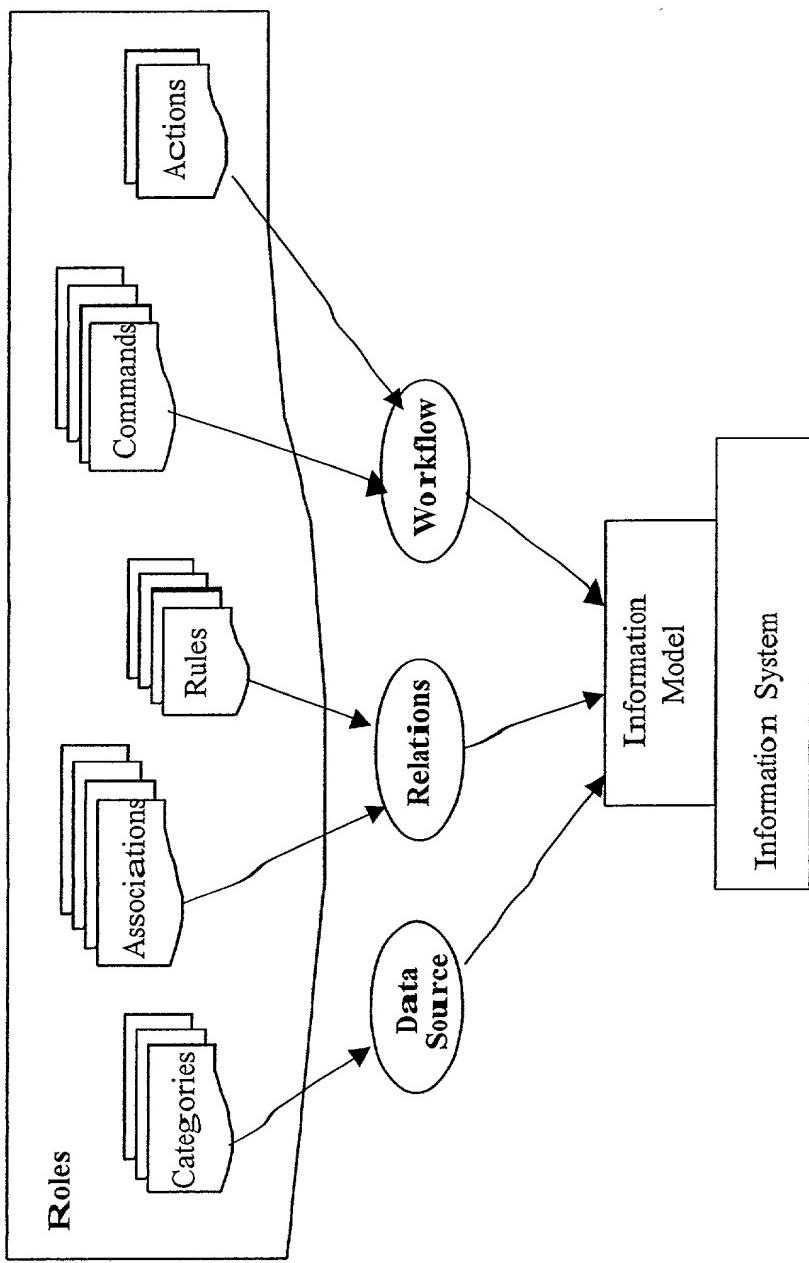
Figure 2. Defining a Role
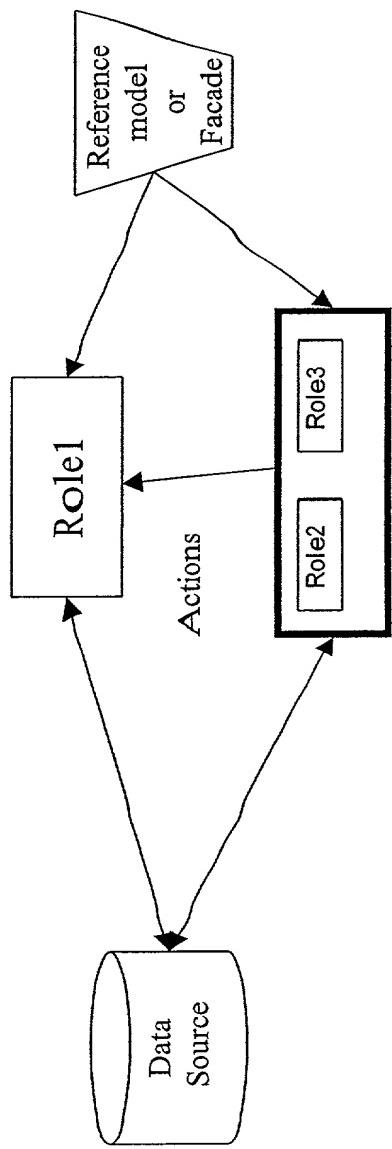
Figure 3. *Perspectives and Views of Information*

Report
form

Practitioner

Supervisor
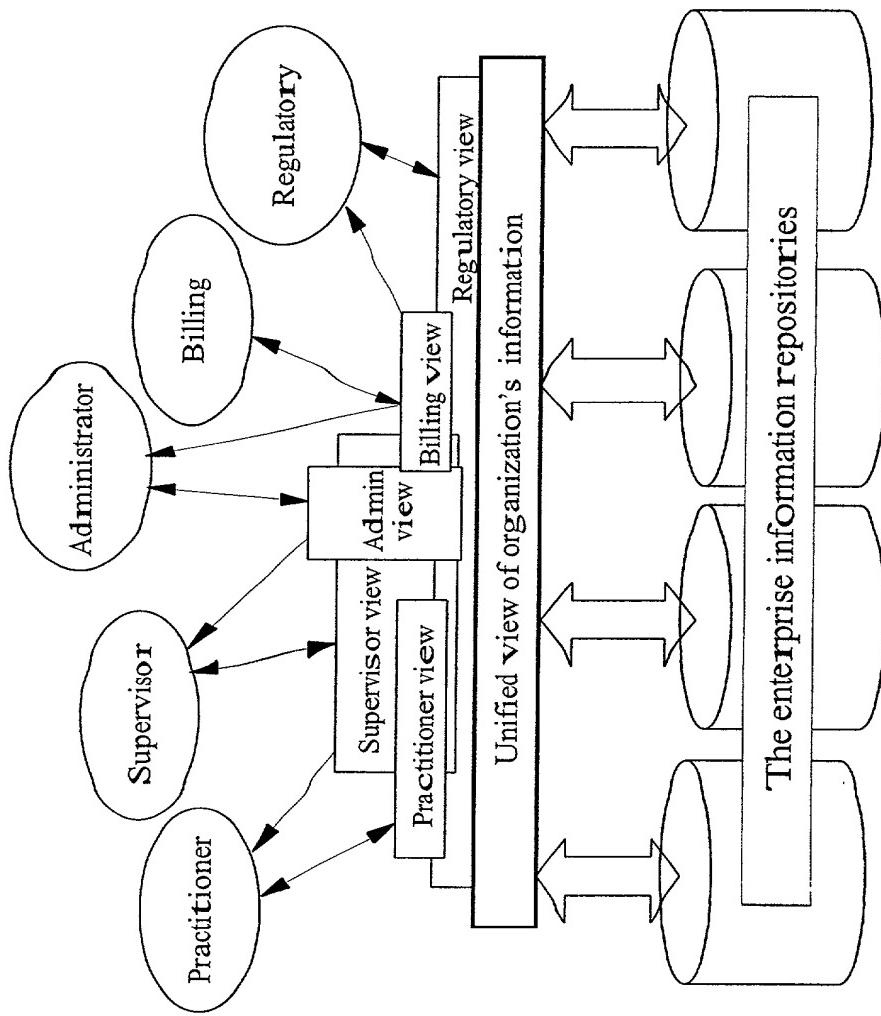
*Figure 4. Data Sources viewed through roles*
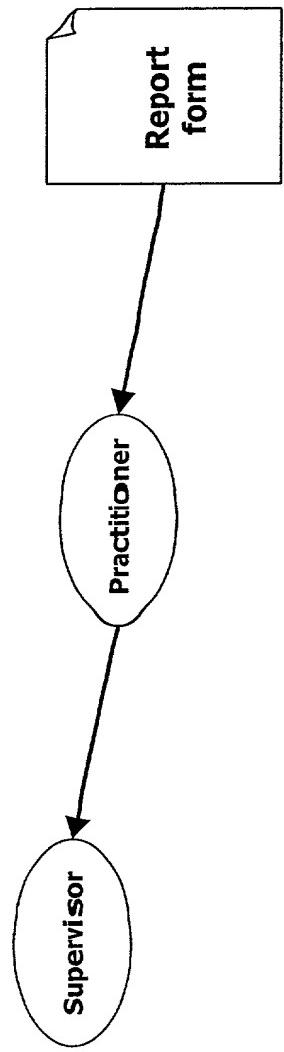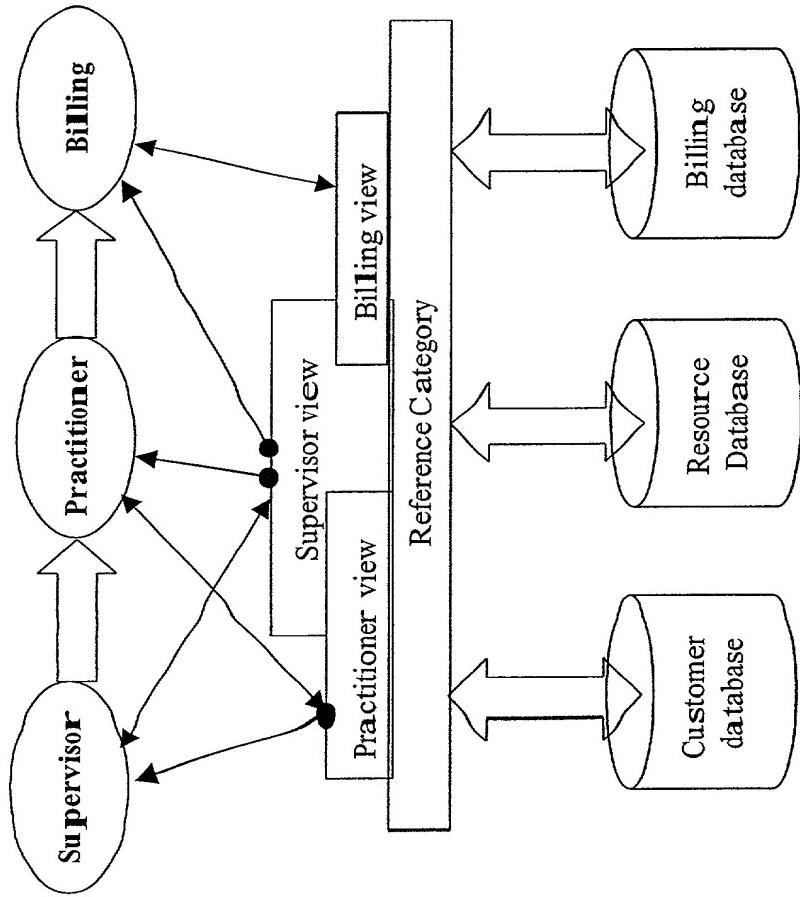
*Figure 5 Reference category*
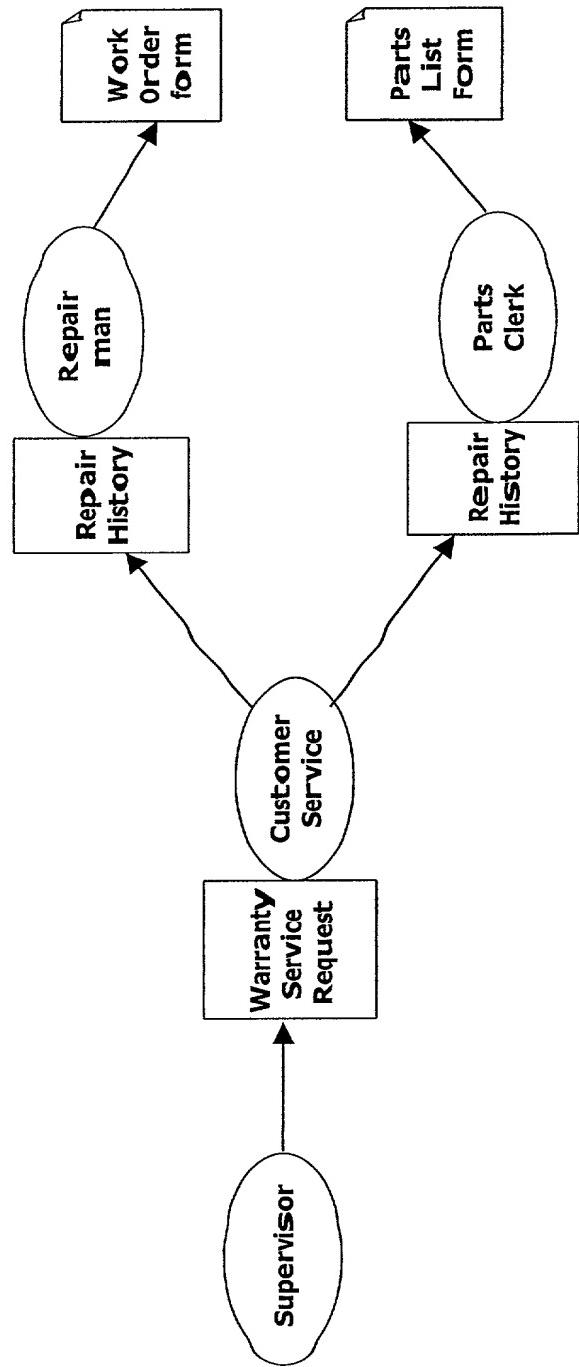
Figure 6. Facades

*Figure 7. Beginnings of an Information Model*
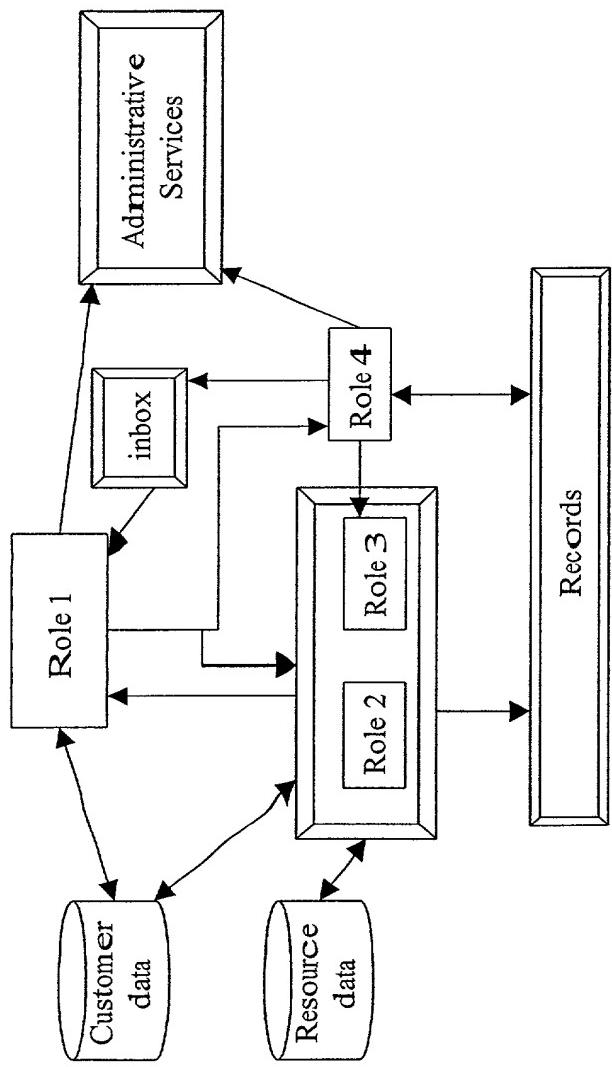
Figure 8. *Access to Information is an attribute of Roles*
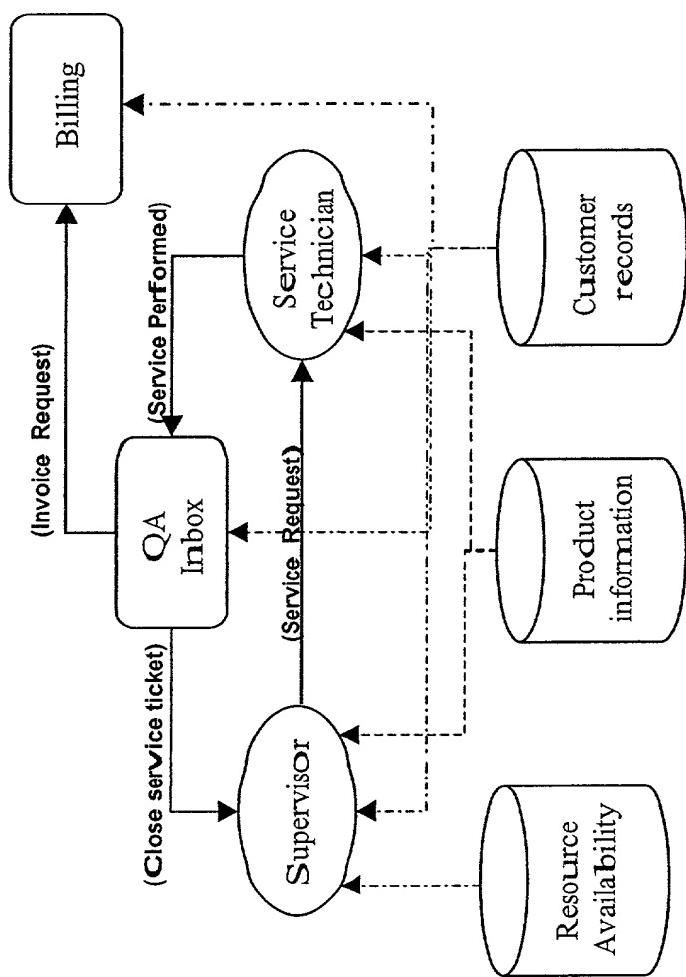
Figure 9 Users are autonomous members of the community
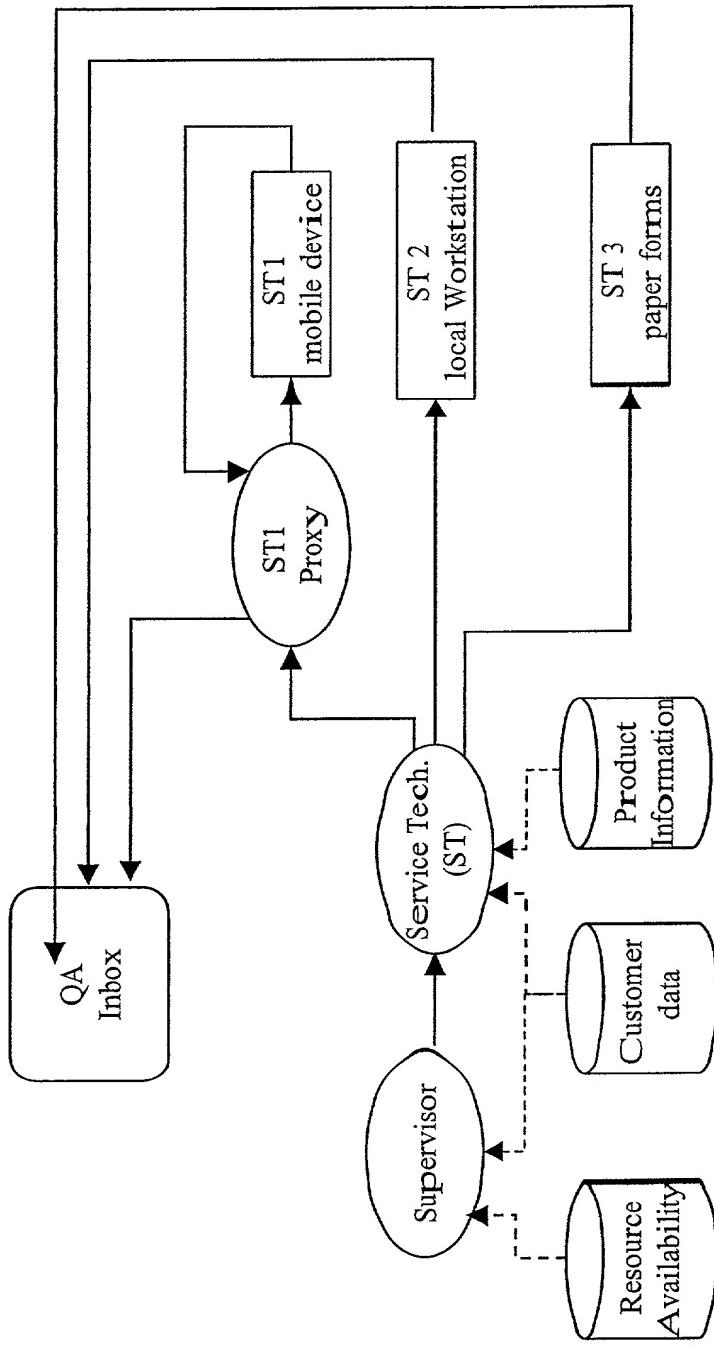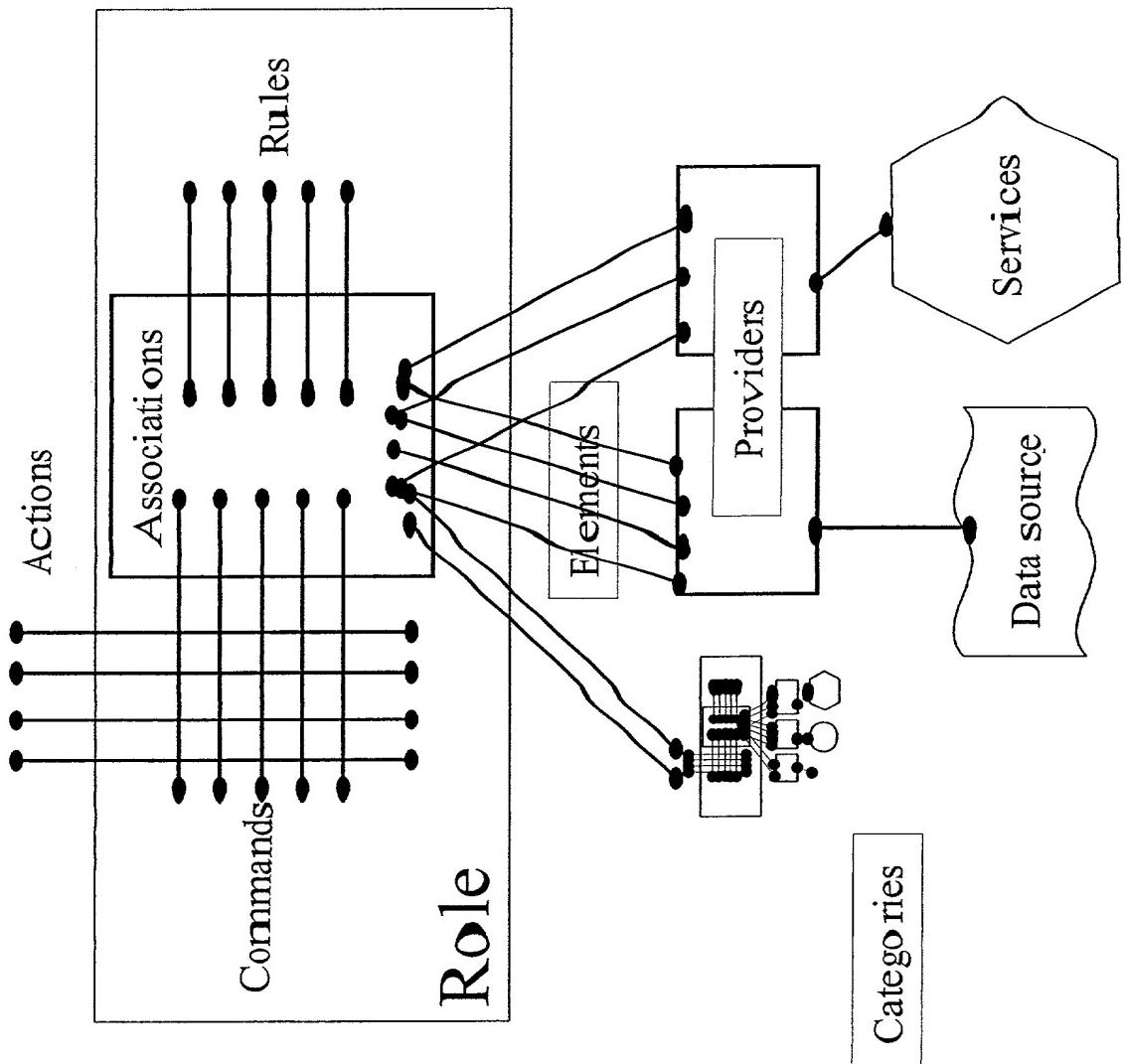
*Figure 10 Active Agent Engine functions*
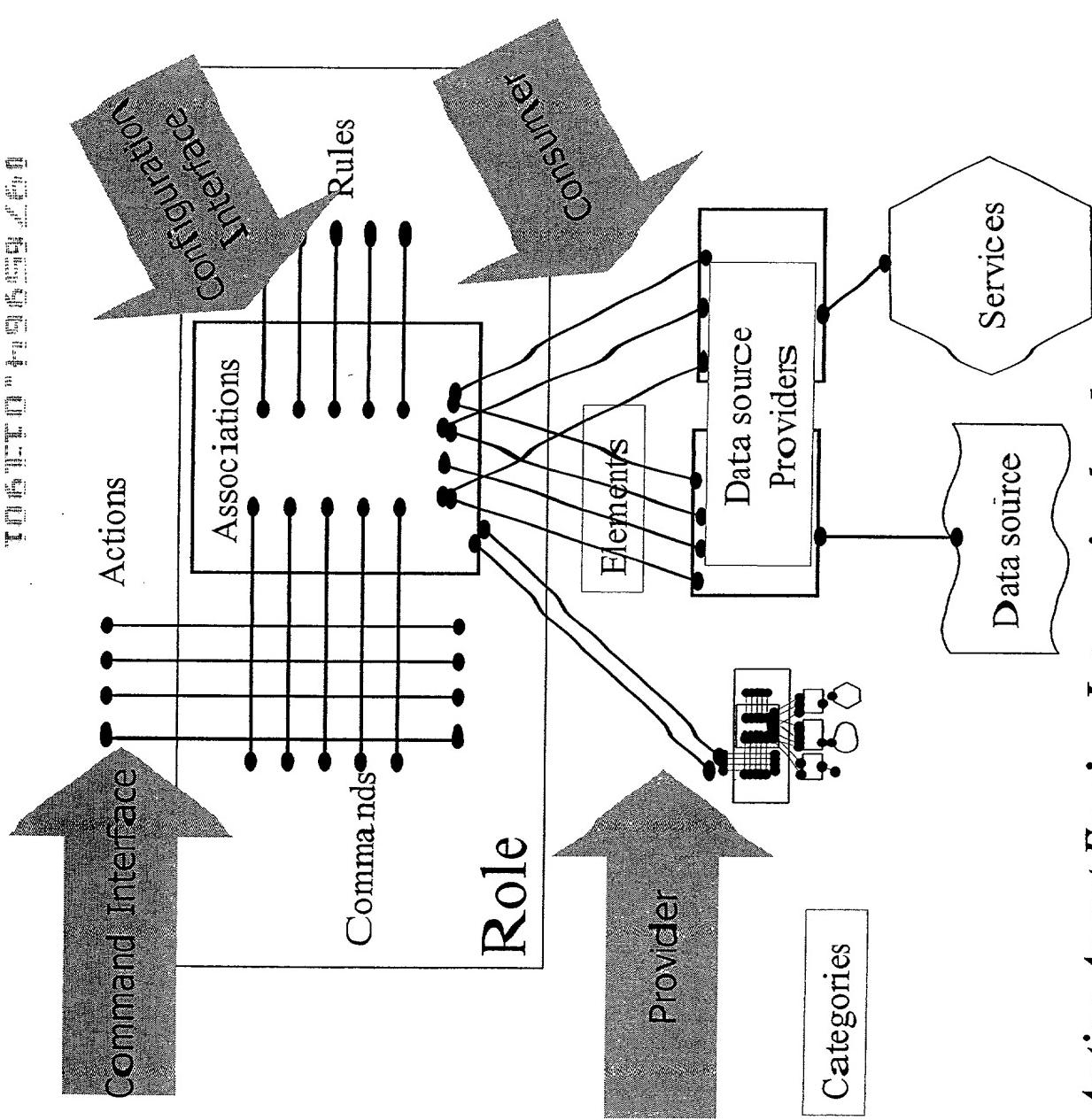
Figure 11 Active Agent Engine Integration levels
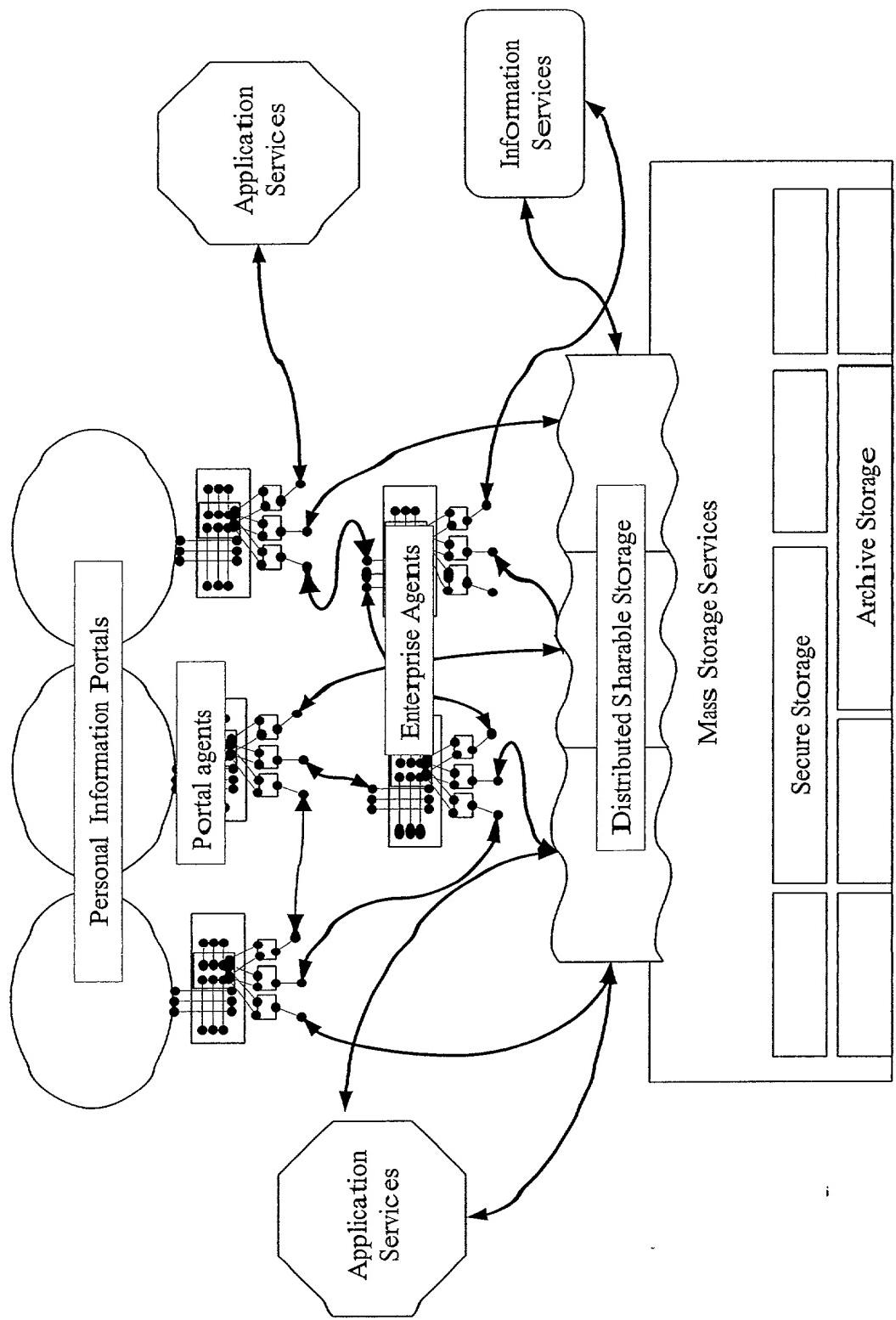
Figure 12. Implementing Personal Information Portals

Appointments

trade

Commerce

Finance

Information Services

Personal Information Portal

Information Agent

Sharable storage

Personal Information Portal

Personal Information Portal

User

User

User
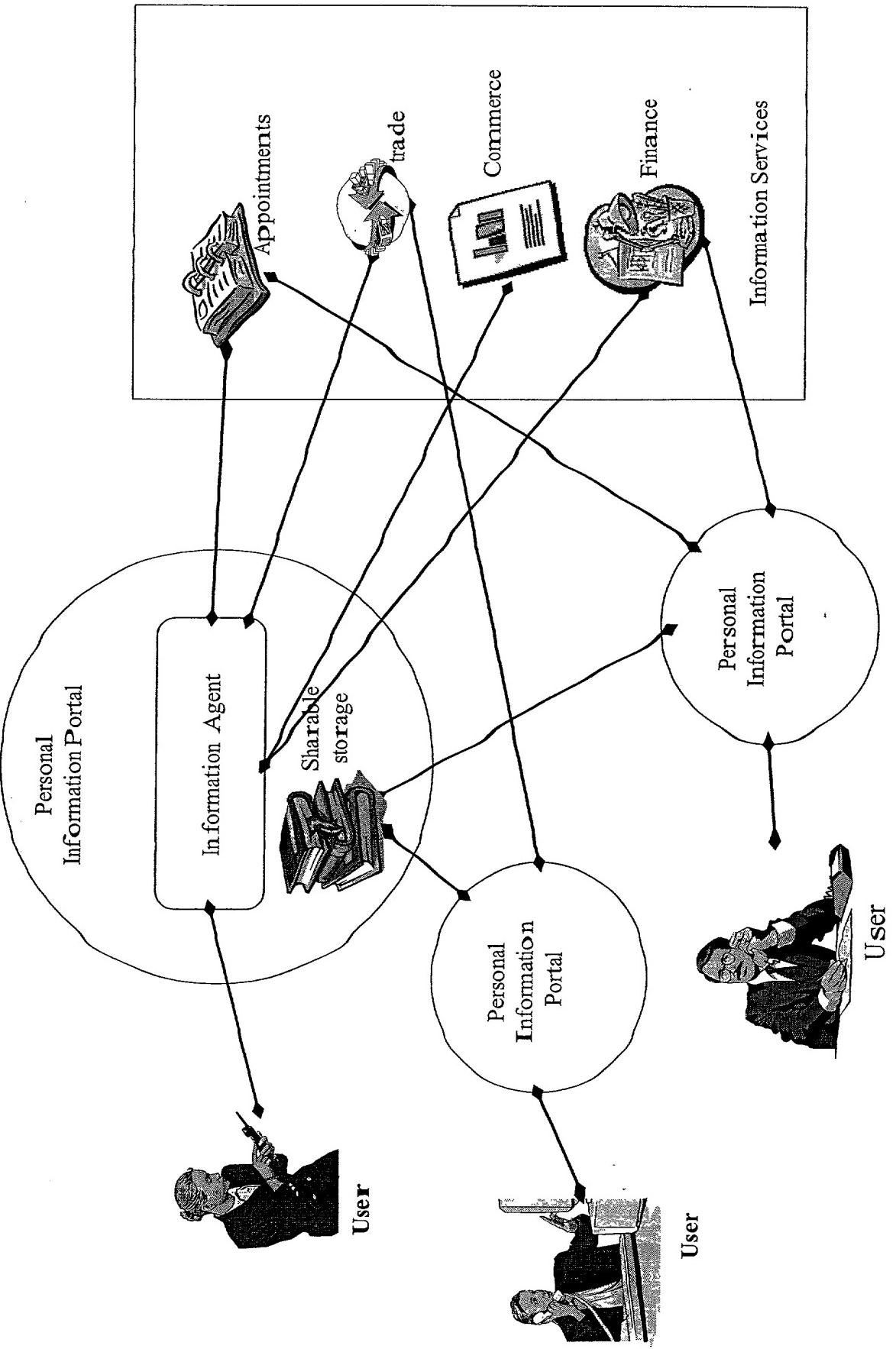
Figure 13 Using a Personal Information Portal

Appointments

Billing

Health Plan

Medical Records

Information Services

Personal Information Portal

Personal Information Portal

Personal Information Portal

Intake Coordinator

Registered Nurse

Hospital Administrator
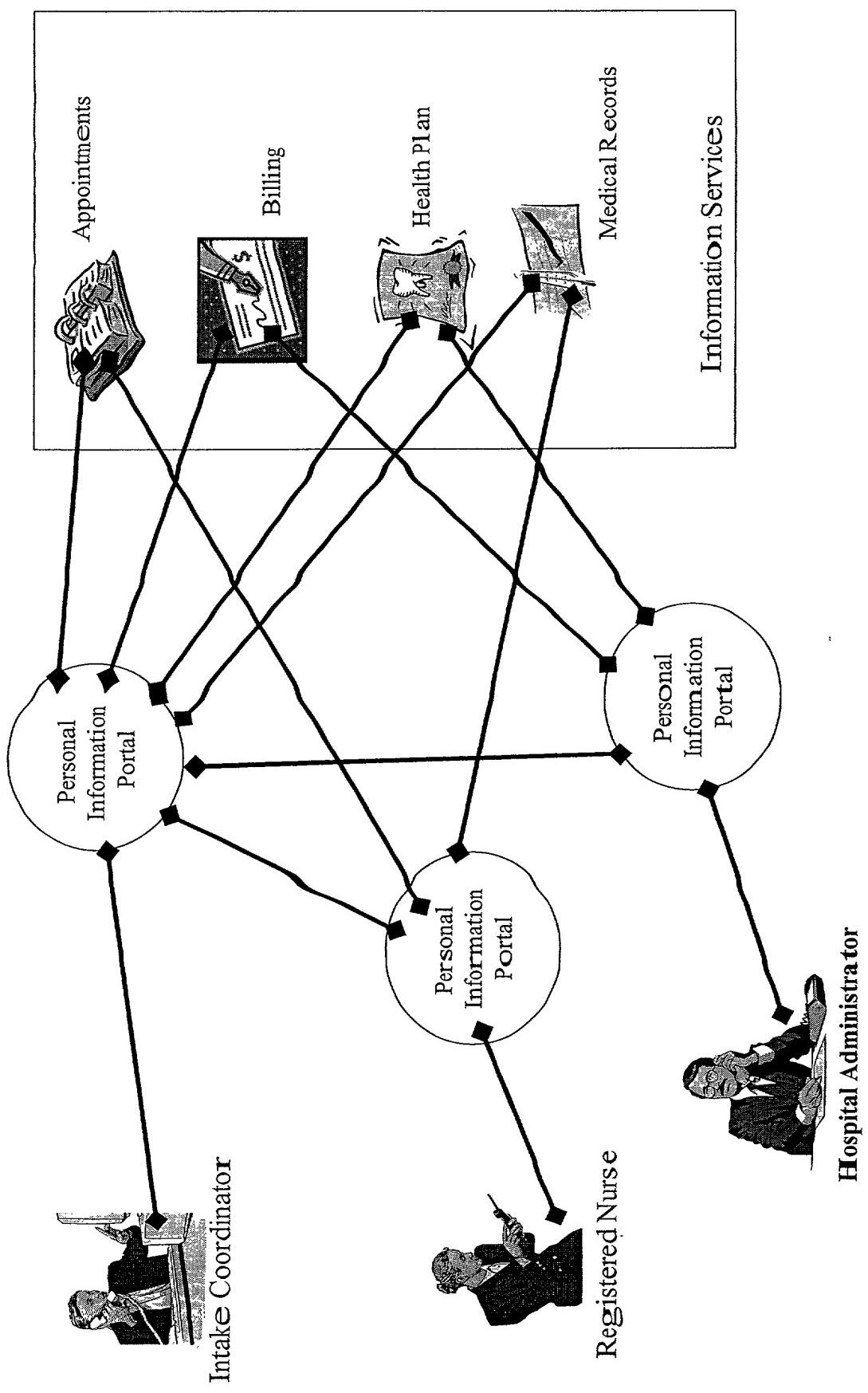
Figure 14 Example: Personal Information Portal in Home Healthcare

Figure 15 About box for the dsH™ Admin utility
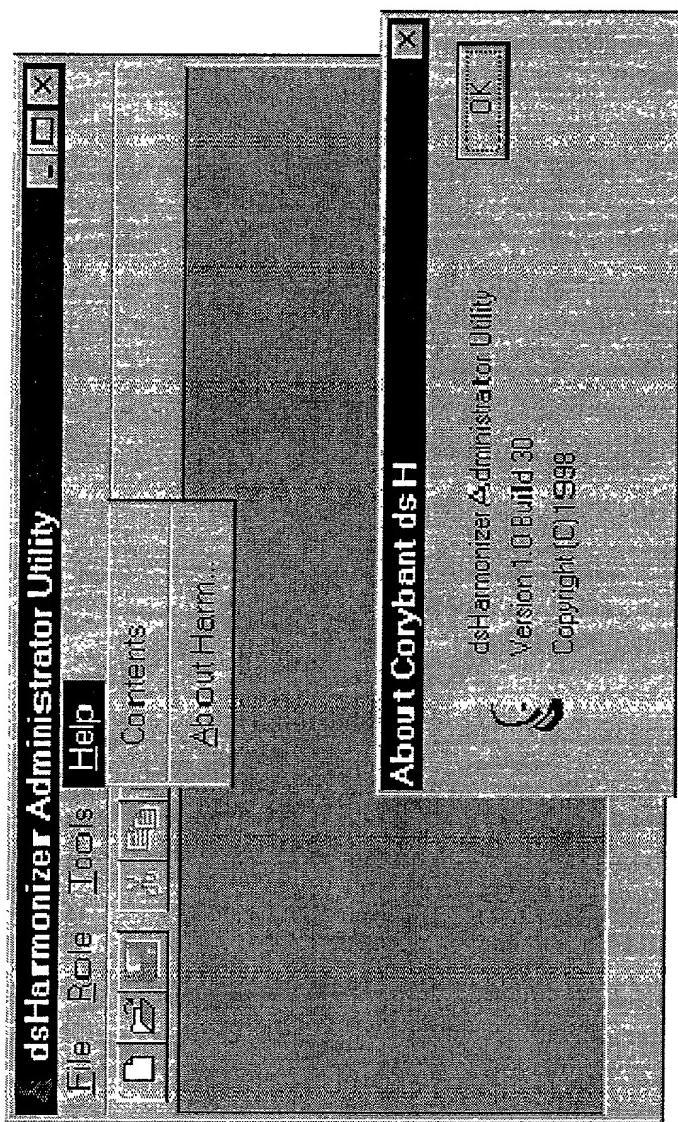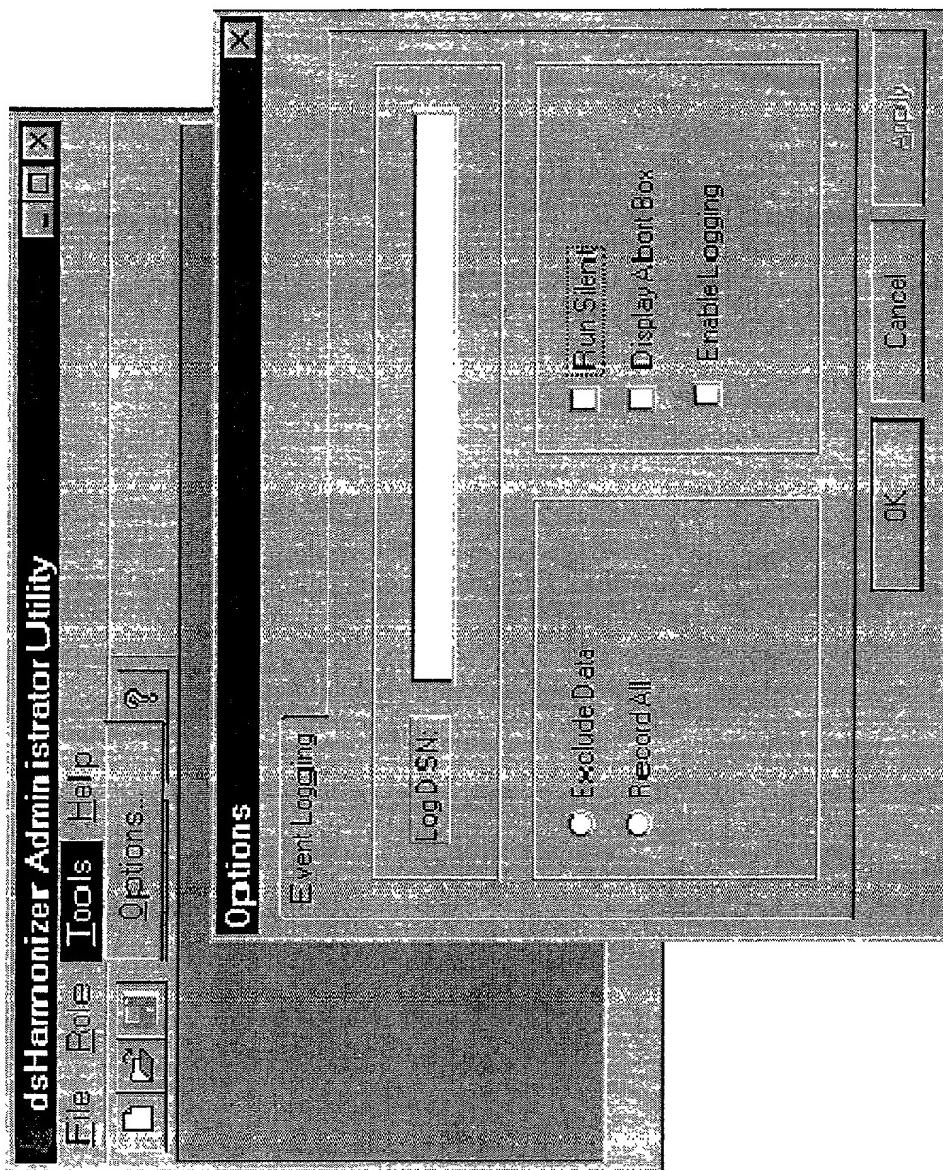
Figure 16. Event Logging option
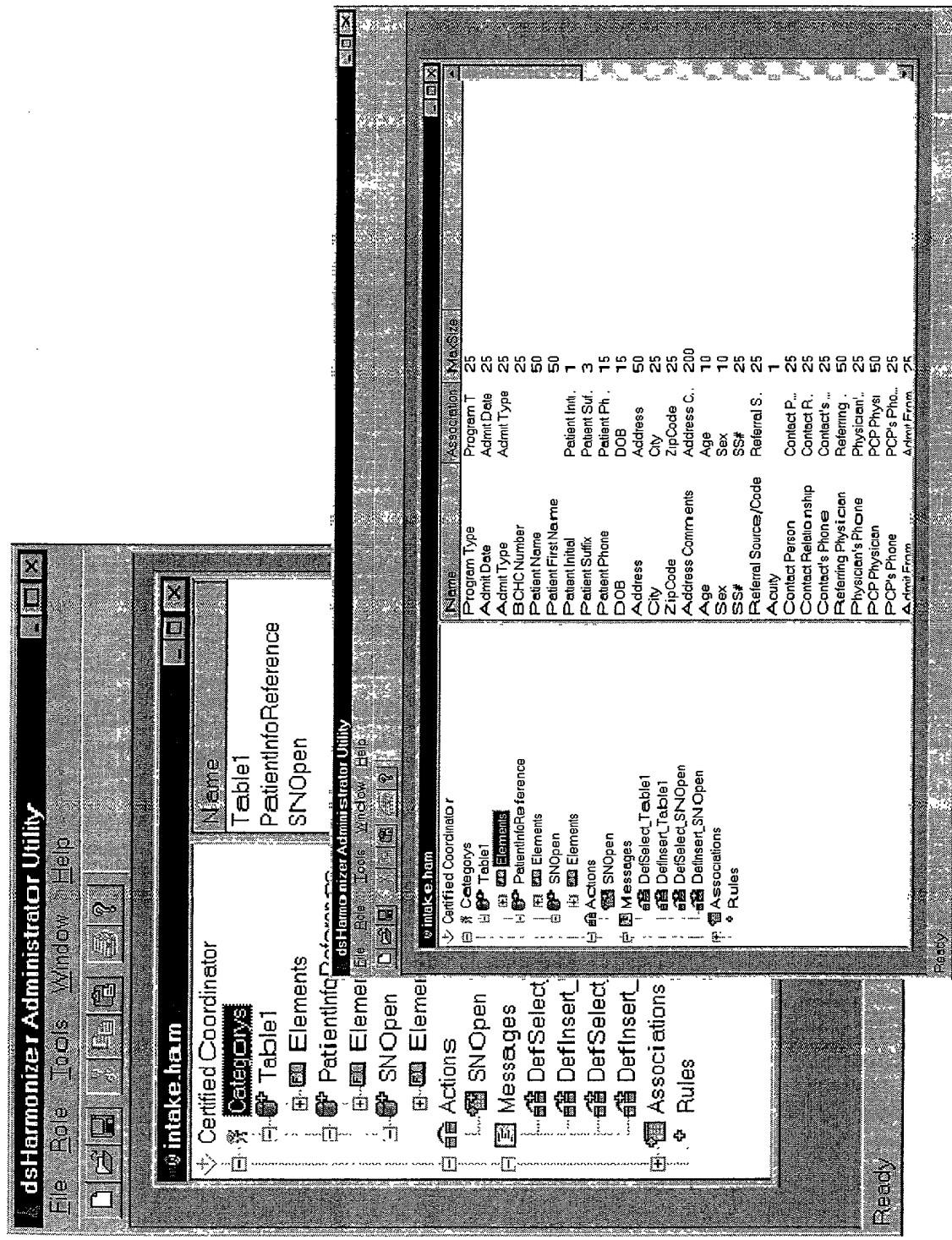
Figure 17. Navigation view

dsHarmonizer Administrator Utility

File Role Tools Window Help

Intake.ham

Certified Coordinator
Categorys
Actions
Message
Associati
Rules

Role Manager

Role | Category | Association | Rules | Command | Action

Name:
Version:
Description:

Certified Coordinator

Date:

Register   Unregister

OK   Cancel   Apply
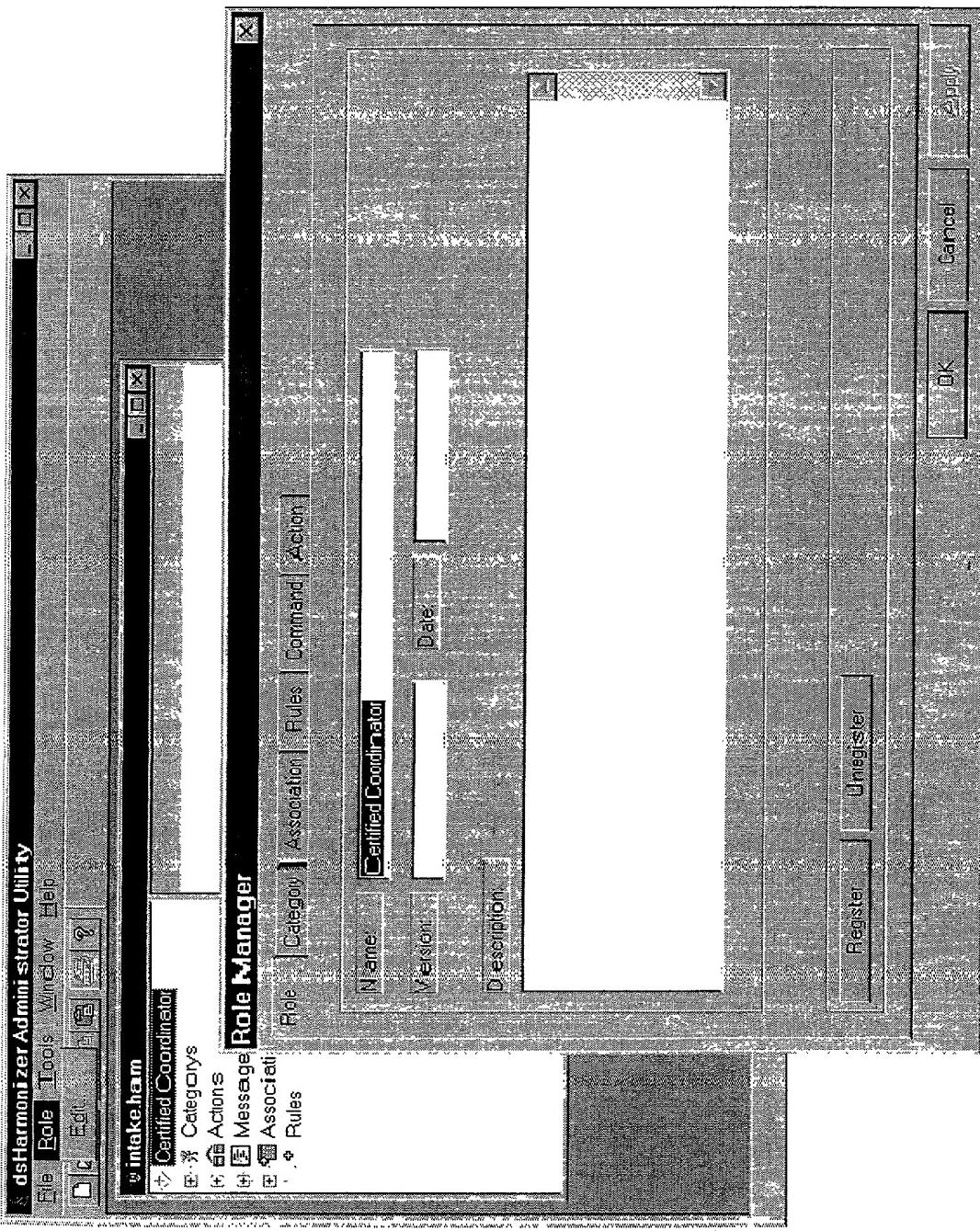
Figure 18. Edit view of a Role

Figure 19. Edit view of a Category within a Role

Figure 20. Edit View of Associations within a Role

Figure 21. Edit View of Rules within a Role

dsHarmonizer Administrator Utility

File Role Tools Window Help

Edit

intake.ham

Certified Coordinator

Category
Actions
Messages
Associations
Rules

Role Manager

Role | Category | Association | Rules | Command | Action |

Name: DefSelect_Table1

Command

SQL | Procedure | Item Details | Edit |

AND
WHERE
INSERT
SELECT

SNOpen
Acuity
Address
AddressComments
AdministeredBy
AdmitDate
AdmitForm
AdmitType
Age

Status   Corrupted

Qualifier: ?

SELECT [Program Type], [Admit Date], [Admit
Type], [BCHC Number], [Patient Name], [Patient First
Name], [Patient Initial], [Patient Suffix], [Patient
Phone], [DOB], [Address], [City], [ZipCode], [Address
Comments], [Age], [Sex], [SS#], [Referral
Source/Code], [Acuity], [Contact Person], [Contact
Relationship], [Contact's Phone], [Referring
Physician], [Physician's Phone], [PCP Physician],
[PCP's Phone], [Admit From], [Inpatient start date],
[Inpatient end date], [Comments], [Primary Diagnosis

Context: 11.00

Test

Reset

NEW   SAVE   NEXT   PREV   DEL

OK   Cancel   Apply

Figure 22. Edit view of Commands within a Role

dsHarmonizer Administrator Utility

File Role Tools Window Help

intake.ham

Certified Coordinator
+ Categorys
Actions
Messages
Associatio
Rules

Role Manager

Role | Category | Association | Rules | Command | Action

Name: S NOpen

Commands:
DefInsert_SNOpen
DefInsert_Table1
DefSelect_SNOpen
DefSelect_Table1

ADD

Action

DefSelect_Table1 -> DefInsert_SNOpen

Role m010

Context: 11.00

Test

New   TOP   NEXT   PREV   DEL

OK   Cancel

Figure 23. Edit view of Actions within a Role
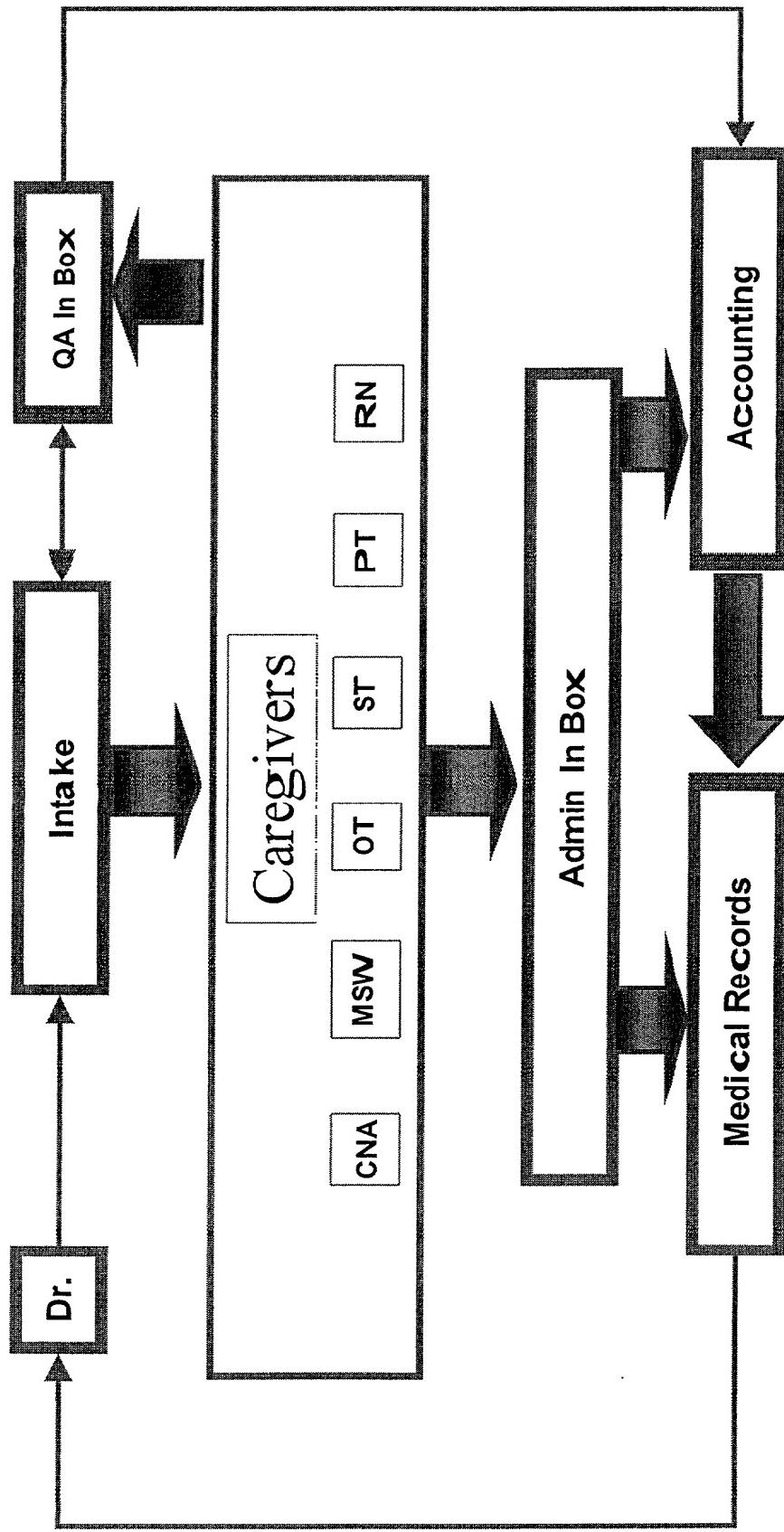
Figure 24.
*Example: Organizational view of an Information system for HomeCare*

Objective
Mission: Home Care

Policies governing allocation of resources to development of information system

Practical Considerations
Available technology

Automation planning and maintenance of existing systems

Equipment & Software

Requirements for each phase of automation process

Analytical Considerations
Need to automate
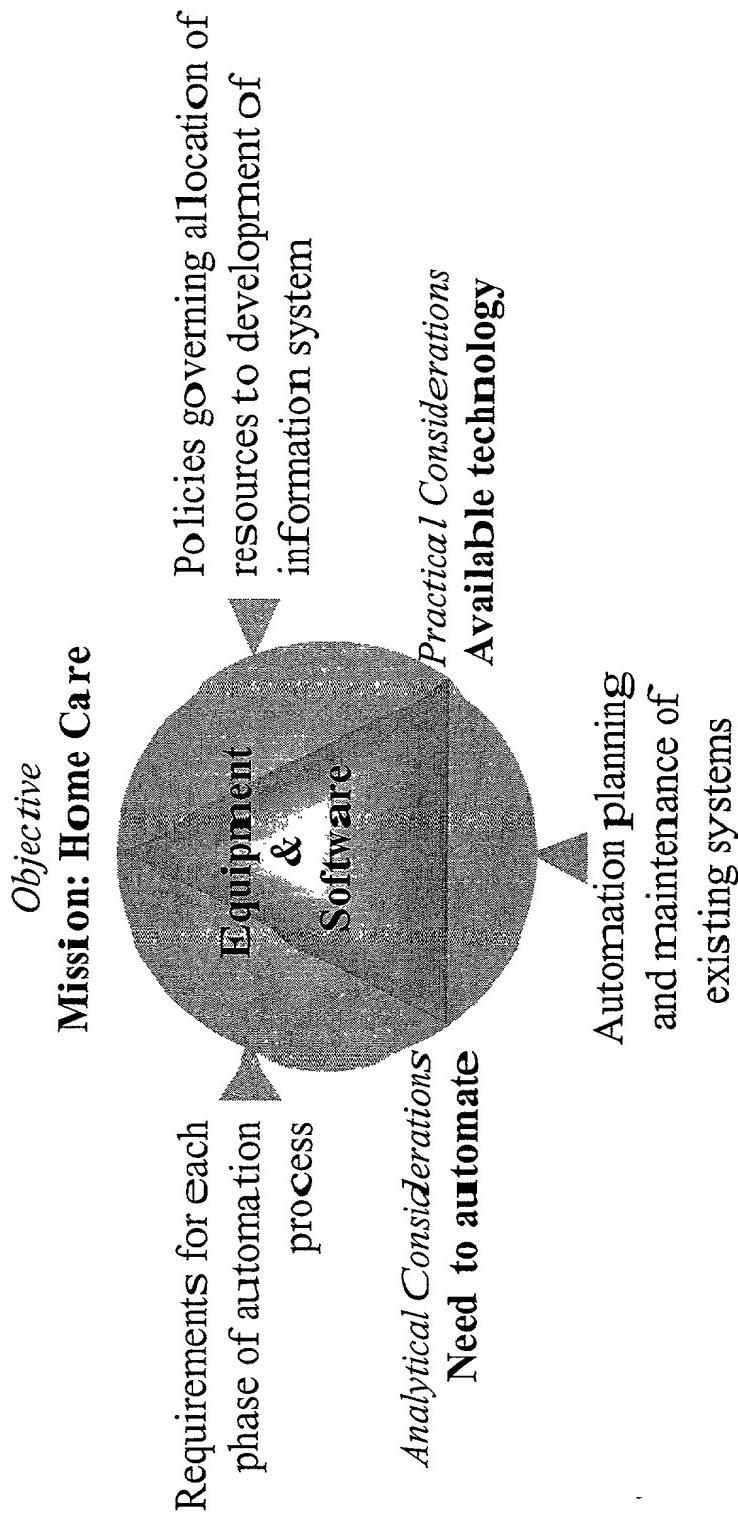
Figure 25.
Example: Decision support model reflecting technology considerations

Objective
Mission: Home Care

Policies governing allocation
of resources to information
management processes

Practical Considerations
Information Model

Continuous improvement
of information
management infrastructure

Continuous
improvement of
information
management practice

Analytical Considerations
**Need to improve
Information management**

Users

Figure 26.
Example: Decision support model reflecting business considerations
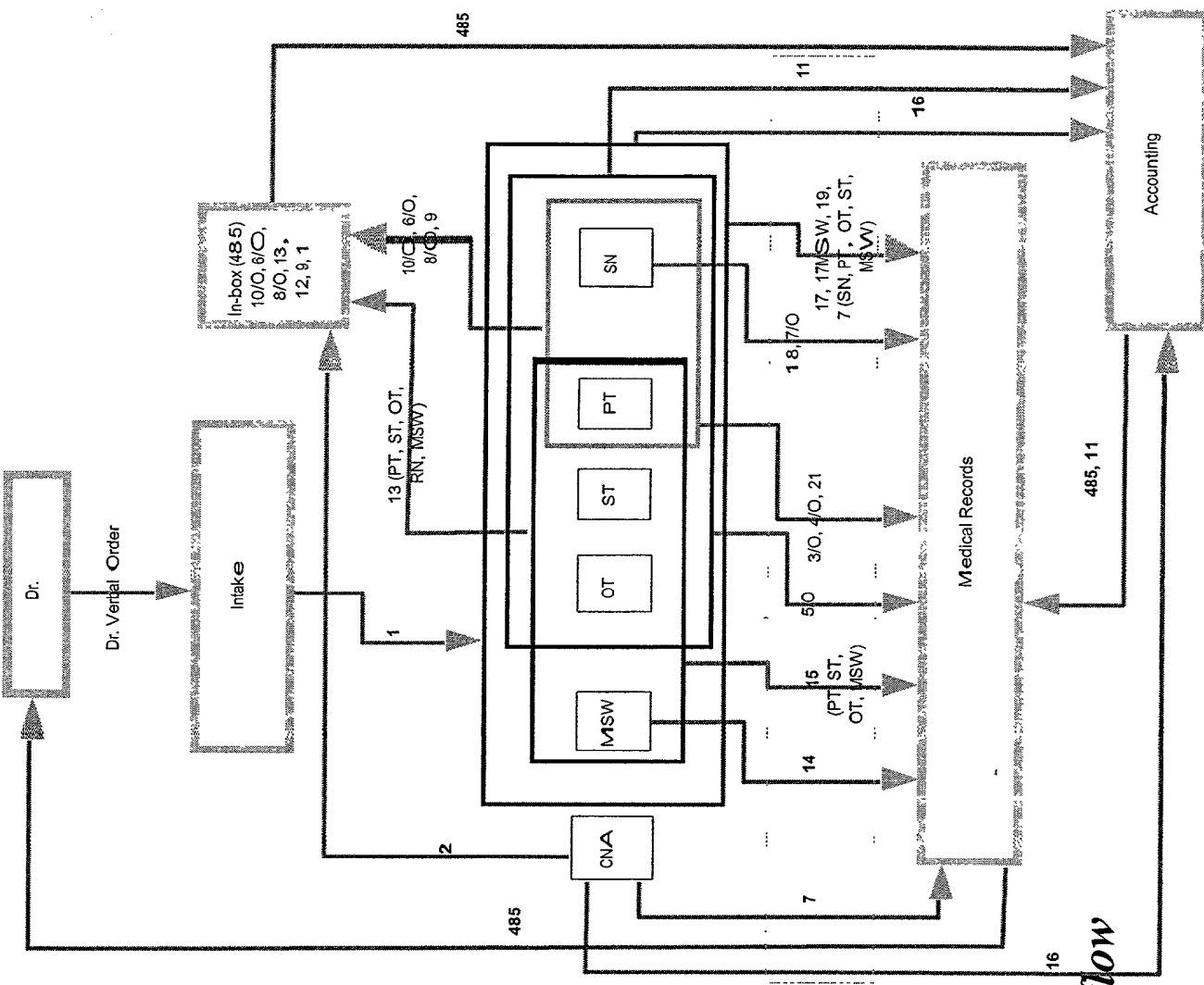
Figure 27.
Example: General Information flow

Reference ID	Description
1	Intake Form
2	Dr Verbal Order
3/O	Open Reimbursement form
4/O	Open Treatment of Consent
5/O	Open Financial Responsibility
6/O	Open Oasis Form
7/O	Open Progress notes 2nd page only
7SN	Daily Progress notes Skilled Nursing
7PT	Daily Progress notes Physical Therapy
7ST	Daily Progress notes Speech Therapy
7OT	Daily Progress notes Occupational Therapy
7MSW	Daily Progress notes Social Worker
7CNA	Daily Progress notes Certified Home Health Aid
8/O	Open 485
9	Med sheet side affects
10/O	Medication list
11	Discharge Summary
12	CNA Plan of Care
13PT	Plan of Care Physical Therapy
13ST	Plan of Care Speech Therapy
13OT	Plan of Care Occupational Therapy
13MSW	Plan of Care Social Worker
14	MSW Plan of Care Social Worker
15PT	Initial Eval Physical Therapy
15ST	Initial Eval Speech Therapy
15OT	Initial Eval Occupational Therapy
15MSW	Initial Evaul Social Worker
16	Activity Sheet
17MSW	MSW orders
17	Interim physician's orders
18	CNA Supervisory
19	Misc. communication form
20	Revisit Form
21	Transfer Summary

*Table 1.*   *Example: Summary of forms identified in Figure 27*
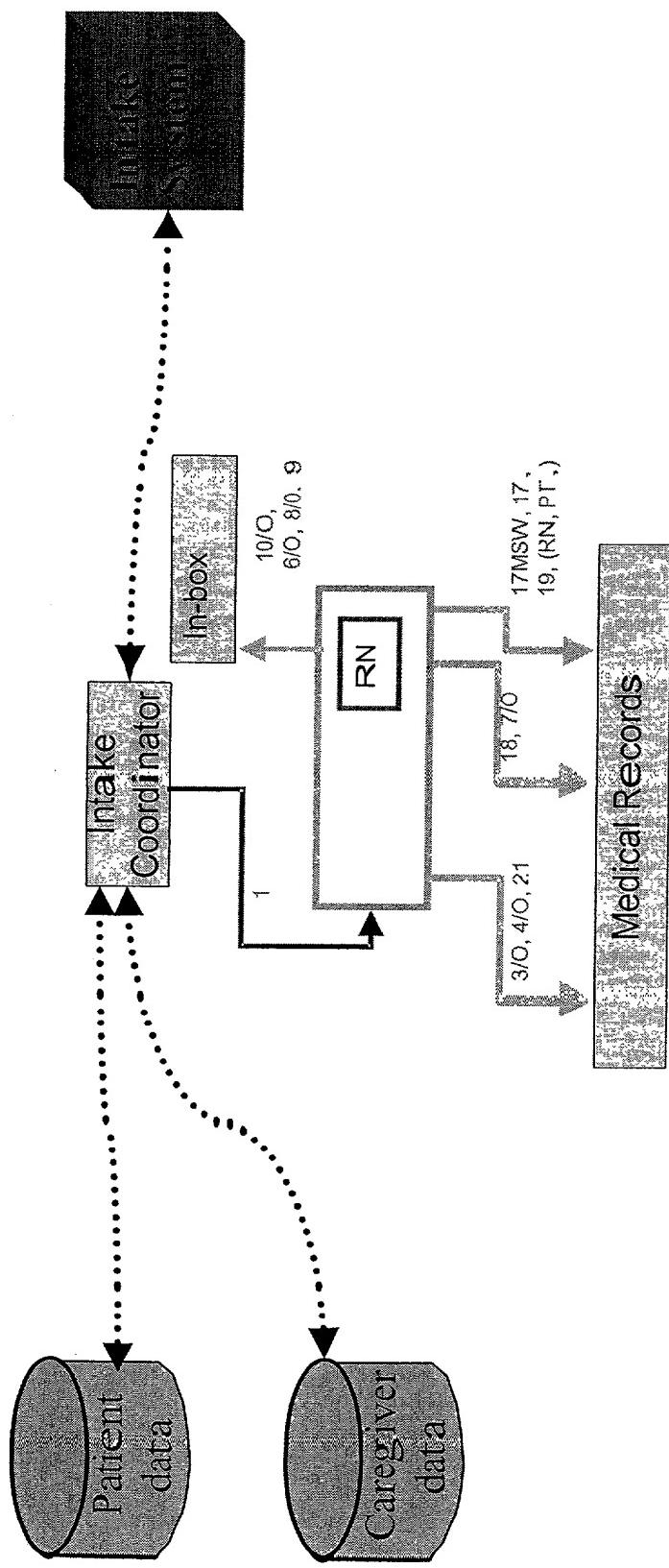
Figure 28.
Example: A Measurable Subset of the Organization

Roles	Certified Coordinator, Registered Nurse
Categories	Patient information, Caregiver information, QA Inbasket, Medical records
Messages	Email, printout, fax
Actions	SNOpen,

Table 2.
*Example: Attributes of the Measurable Subset*
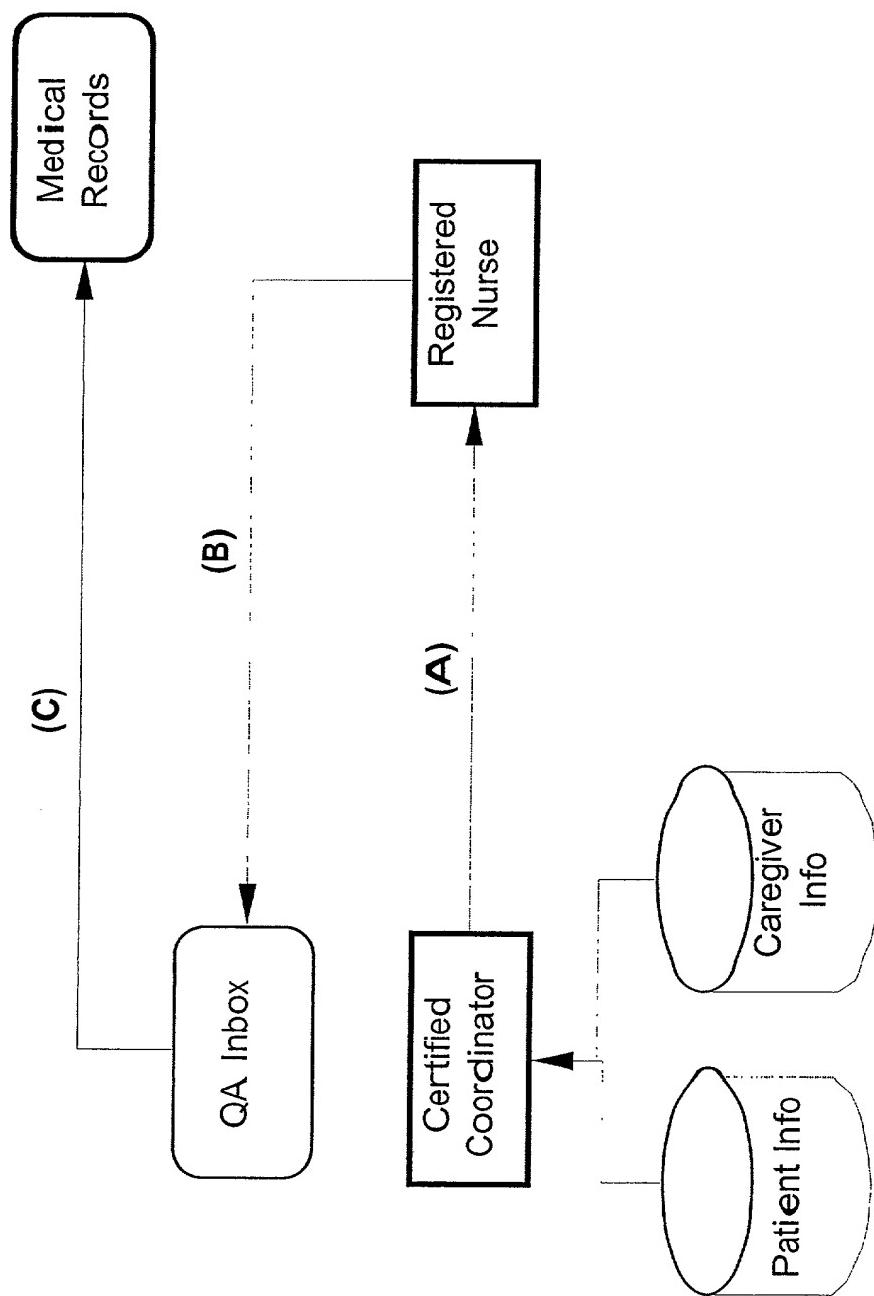
Figure 29.
Example: *QA function explicitly identified*
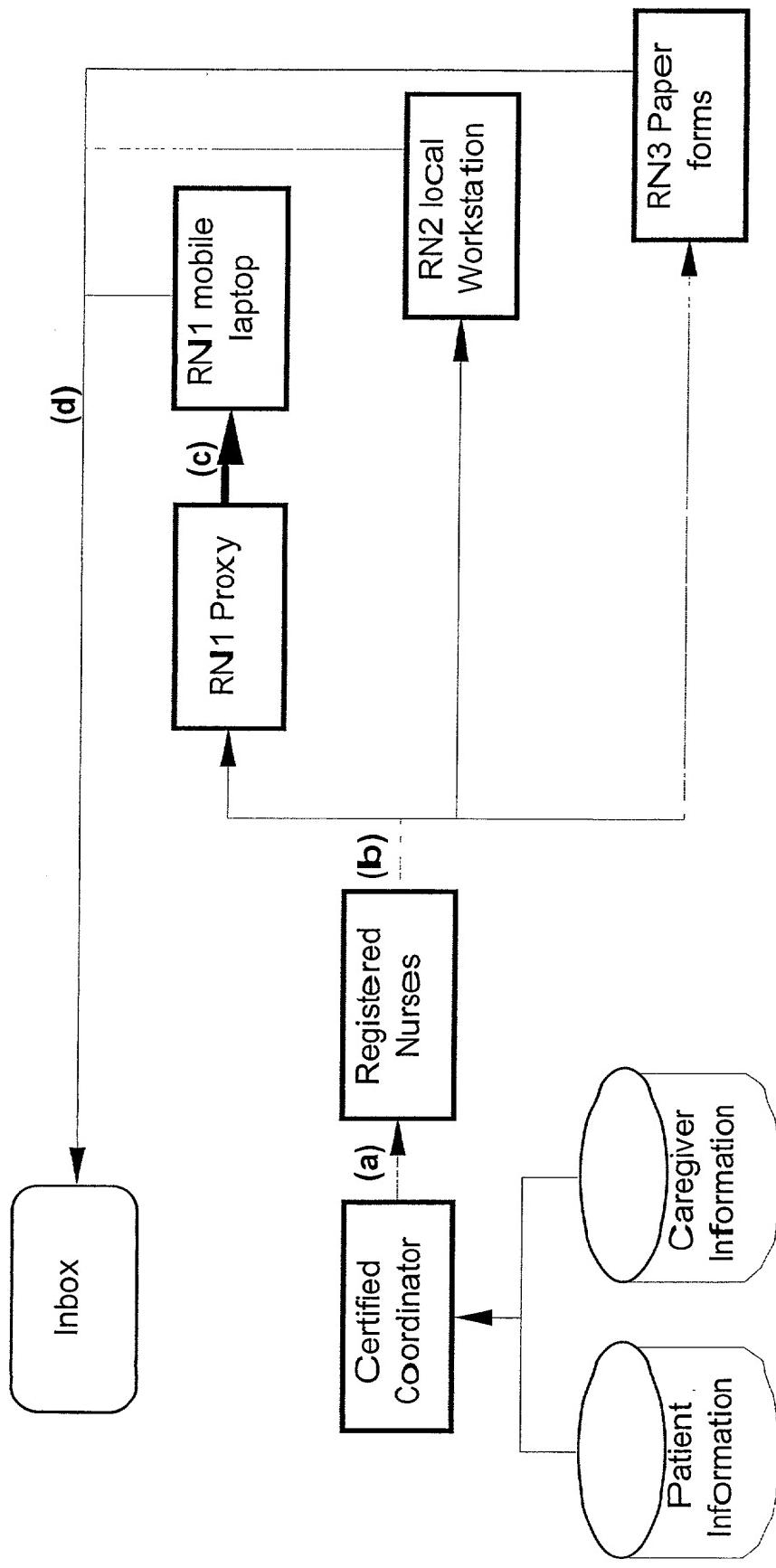
Figure 30.
Example: Using generic Roles and proxy Roles
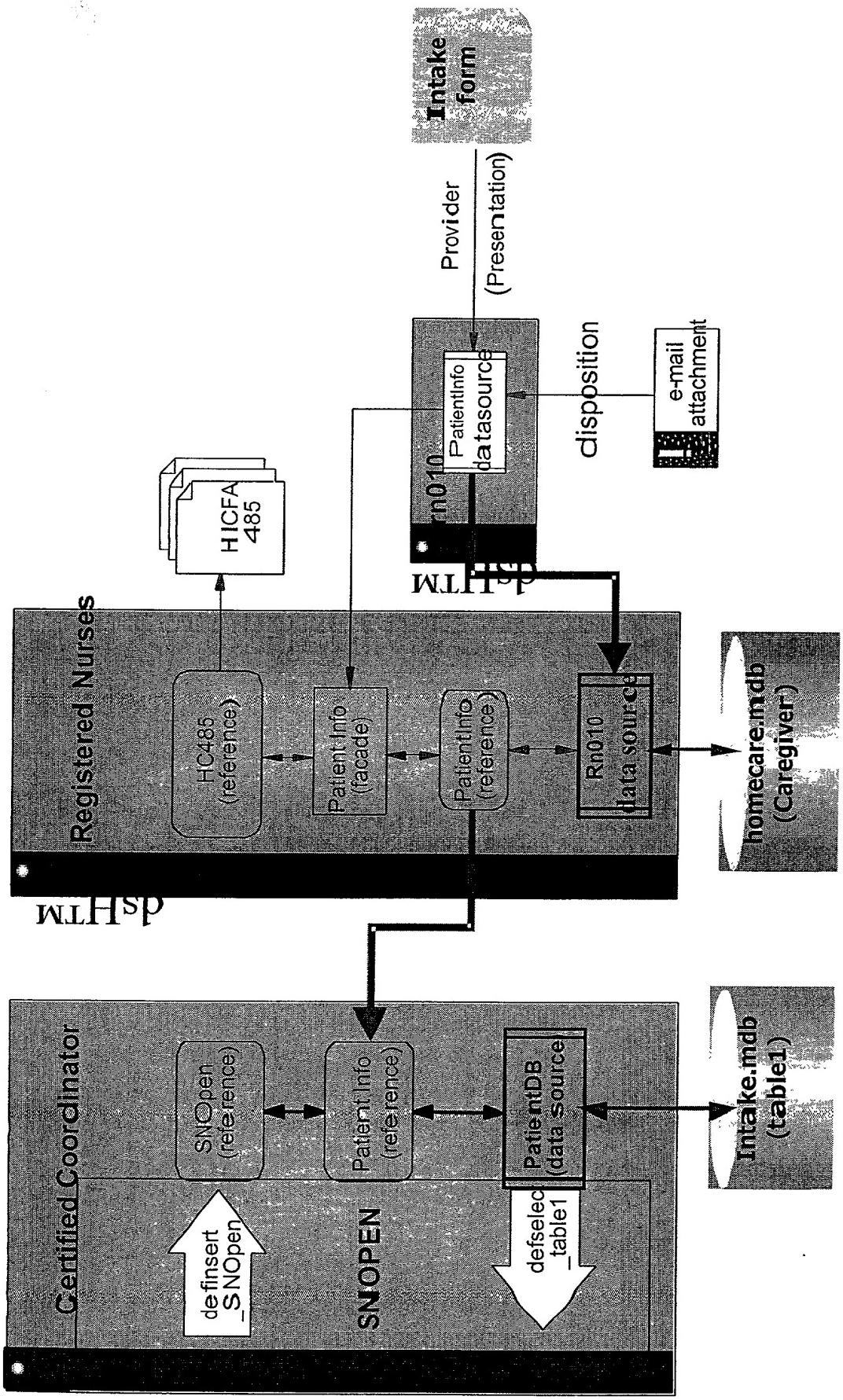
Figure 31.
Example: Implementation of SN OPEN

Appointments

Billing

Health Plan

Medical Records

Information   Services

Personal
Information
Portal

Personal
Information
Portal

Personal
Information
Portal

Intake Coordinator

Registered Nurse

Hospital Administrator
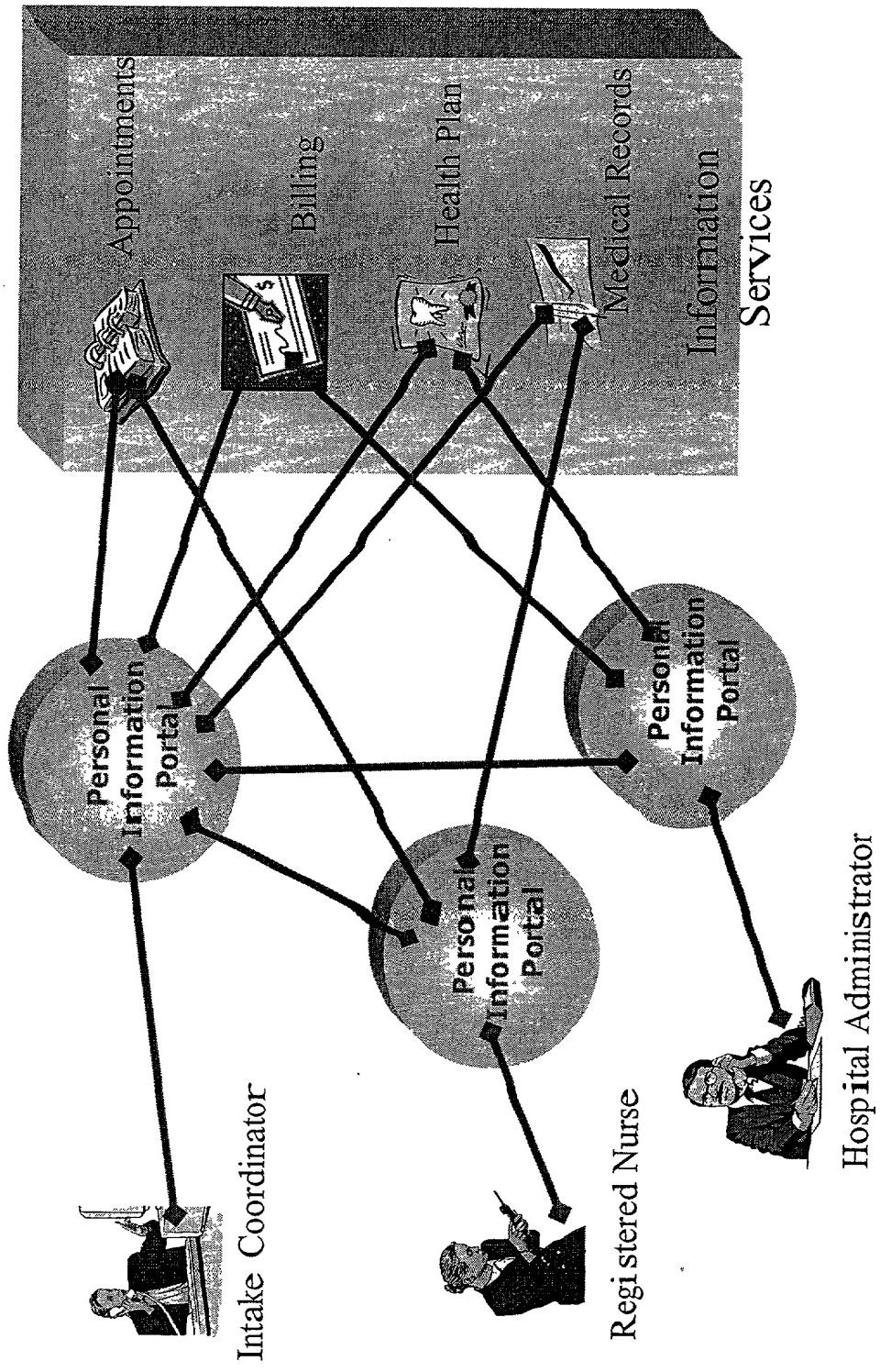
Figure 32.
Example: Practical deployment

```
C:\
  Program Files\
    Corybant\
      homecare\
        homecare.mdb (contains patient information table: Table1)
        intake\
          intake.ham
          intake.mdb (contains caregiver information table: cg)
        registered nurses\
          registerednurse.ham
          rn010\
            rn010.ham
          rn020\
            rn020.ham
          rn030\
            rn030.ham
```

Figure 33.
Example: Directory Structure
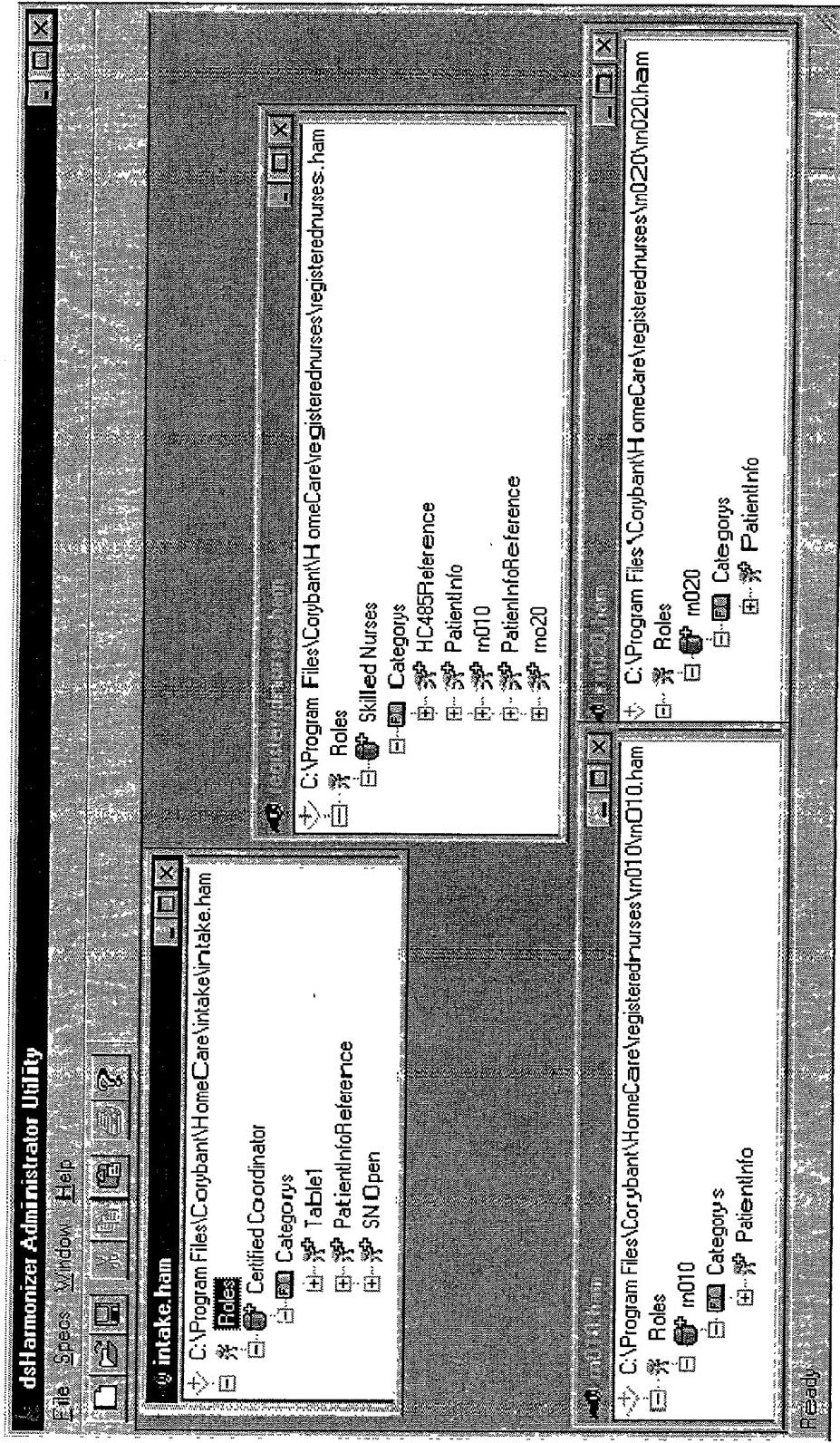
Figure 34.
*Example: Role Configuration Model for the local network*
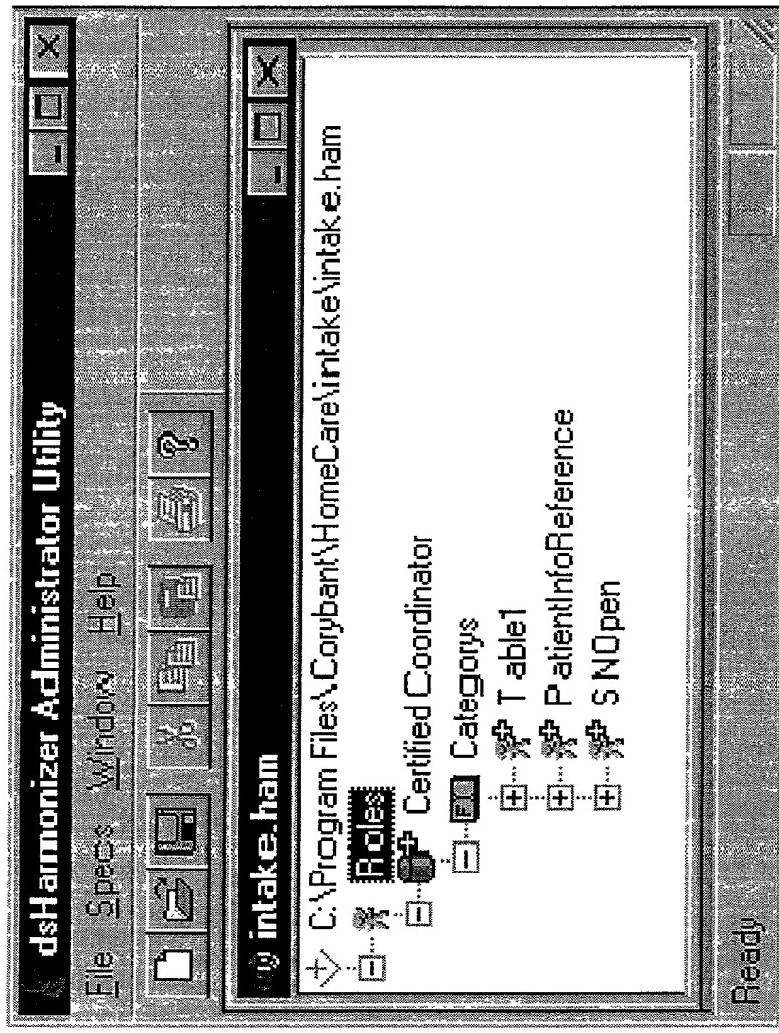
Figure 35.
*Example: Role Configuration model for Certified Coordinator*
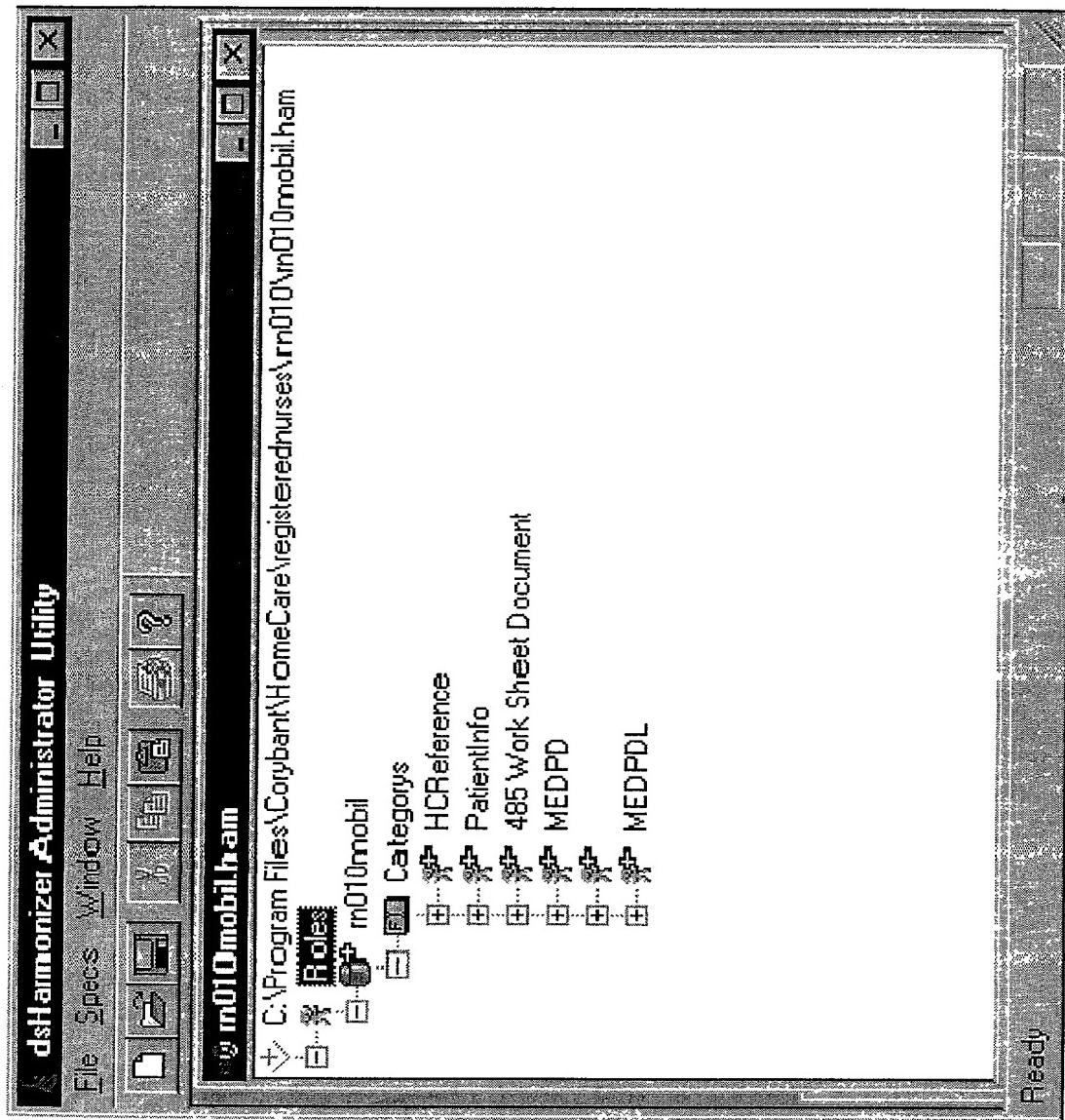
Figure 36.
*Example: Role Configuration Model for mobile caregiver*
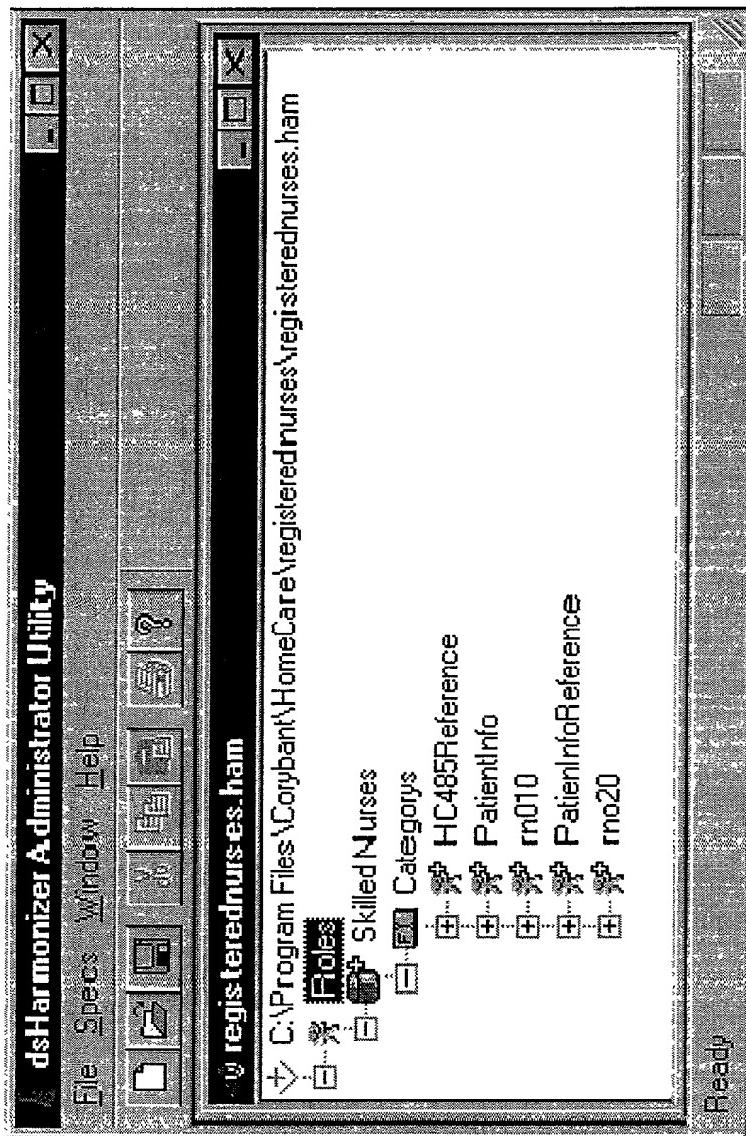
Figure 37.
Example: Role Configuration Model for Skilled Nurses (Generic)

dsHarmonizer Administrator Utility

File Specs Window Help

rn010.ham

C:\Program Files\Corybant\HomeCare\registerednurses\rn010\rn010.ham
Roles
rn010
Categorys
PatientInfo

Ready
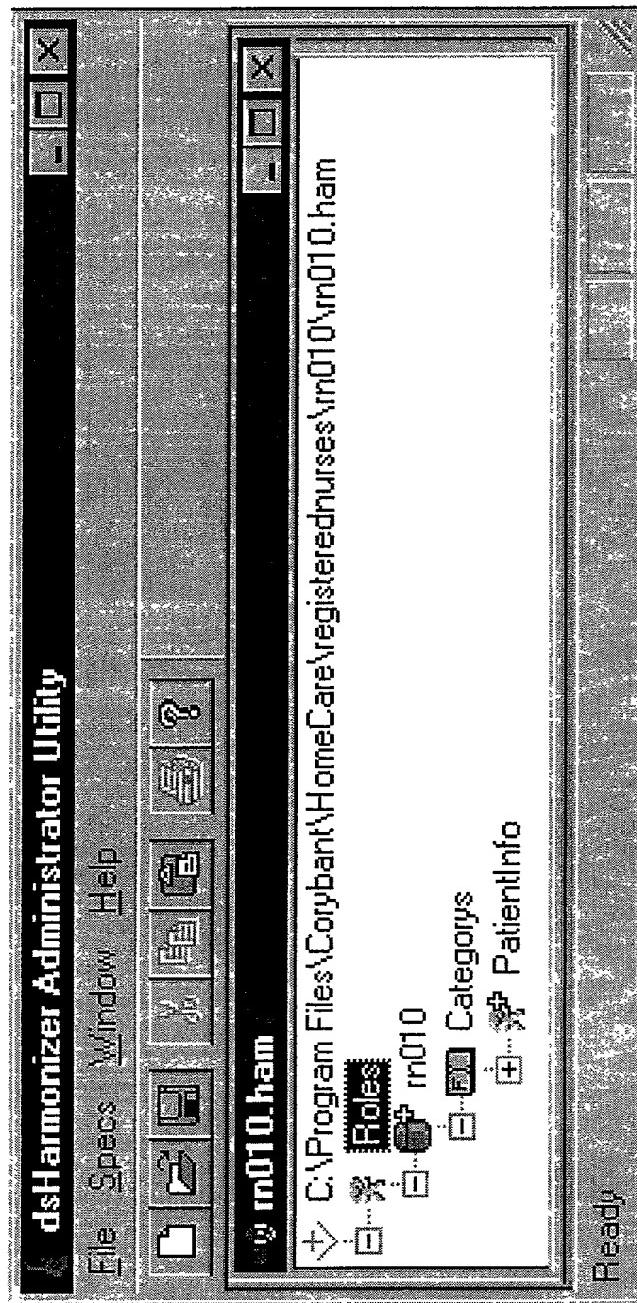
Figure 38.
Example: Role Configuration Model for a mobile RN role.